What is claimed is:

1. An optical disc comprising an information recording layer where information is recorded as an array of pits at a predetermined track pitch, and a light transmitting layer formed on said information recording layer and having a film thickness of 0. 13 mm or less, the information recorded therein being reproduced upon irradiation of a beam of light having a wavelength ranging from 400 nm to 415 nm onto said information recording layer through said light transmitting layer from an objective lens having a numerical aperture ranging from 0.75 to 0.86, wherein a taper angle of said pits is 55 degrees or higher, said taper angle being an angle formed by a tapered surface of said pit and a bottom surface of said pit.

2. The optical disc according to claim 1, wherein the taper angle of said pits is 80 degrees or higher.

3. The optical disc according to claim 1, wherein the taper angle of said pits is an angle formed between a plane tangential to a tapered surface at a height position substantially half of a depth of said pits and a bottom surface of said pits.

4. The optical disc according to claim 2, wherein the taper angle of said pits is an angle formed between a plane tangential to a tapered surface at a height position substantially half of a depth of said pits and a bottom surface of said pits.

5. The optical disc according to claim 1, wherein said

track pitch is in a range from 0.280 to 0.325 μm.

6. The optical disc according to claim 2, wherein said track pitch is in a range from 0.280 to 0.325 μm.

7. The optical disc according to claim 3, wherein said track pitch is in a range from 0.280 to 0.325 μm.

8. The optical disc according to claim 4, wherein said track pitch is in a range from 0.280 to 0.325 μm.